

Whirligig Lab

Objective: Investigate air resistance and acceleration of different whirligigs.

Procedure:

1) Construct your 5 whirligigs

Make a prediction

Which whirligig do you think will fall the fastest? Why?

Which whirligig do you think will fall the slowest? Why?

2) Drop each whirligig from the 2nd floor of the commons and record the time each took to fall.

3) Complete the following table:

Whirligig	Time (sec)	Speed (m/s)	Acceleration (m/s ²)
1			
2			
3			
4			
5			

Results:

1) Were your predictions confirmed? Explain.

2) What factors affected acceleration? Explain.

3) What forces were acting on the whirligigs?